Amended Abstract - Clean Version

ABSTRACT

The invention relates to a process for finish-machining of bearing positions on main bearing journals and connecting rod bearing journals of crankshafts for motor car engines, whereby the crankshafts have roundings between the bearing positions and transitions adjacent in each case to the bearing positions. The roundings are deep rolled with a deep rolling tool and then, while maintaining a distance interval to an individual transition in each case the bearing position concerned is machined with removal of material with a small cutting depth.